



CHIMUTU CLUSTER EXAMINATION BOARD

2024 END OF TERM TWO STANDARDIZED EXAMINATION FOR STANDARD 7

MARKING SCHEME

MATHS

SECTION A

1. C
2. B
3. A
4. D
5. B
6. C
7. C

8. D
9. D
10. A
11. C
12. B
13. D
14. A

15. C
16. B
17. D
18. C
19. A
20. B

SECTION B

21. (a) **SOLUTION**

$$\begin{aligned} 78 - (26 \times 2) & \quad 1\text{mark} \\ = 78 - 52 & \quad 1\text{mark} \\ = 26 & \quad 1\text{mark} \end{aligned}$$

(b) **SOLUTION**

$$\begin{aligned} & 15\frac{1}{3} - 8\frac{3}{4} + 4\frac{2}{3} \\ & = 15\frac{1}{3} - 4\frac{2}{3} - 8\frac{3}{4} \\ & = 19\frac{1+2}{3} - 8\frac{3}{4} \\ & = 19 + \frac{3}{3} - 8\frac{3}{4} \\ & = 19 + 1\frac{1}{1} - 8\frac{3}{4} \\ & \quad 20\frac{1}{1} - 8\frac{3}{4} \\ & = 20 - 8\frac{4-3}{4} \\ & = 12\frac{1}{4} \text{ answer} \end{aligned}$$

22. (a) **SOLUTION**

		1mark		4marks
5 bunches of mpuru at	K3.50	= K3.50x5	=	K17.50
3 packets of sweets at	K105 packets	= K105x 3	=	K315.00
3 rulers at	K18.501 ruler	= K18.50x 3	=	<u>K55.55</u>
		Total	=	<u>K388.00</u>

(b) **SOLUTION**

$$\begin{aligned} \text{Amount} & = K2000 \times 50 \\ & = K100,000 \\ \therefore \text{Commission} & = K20 \text{ per cartons} \\ & = \frac{K100,000}{20} \\ & \quad K5000 \end{aligned}$$



23. (a) **SOLUTION**

15 people

1mark

(b) Rice

1mark

(c) **SOLUTION**

$$18+15+5+2+11 \\ = 51$$

2marks

24. SOLUTION

$$\text{Total temperature for 4 days} = 26 \times 4 = 104^{\circ}\text{C}$$

$$\text{Temperature for 3 days} = 24 \times 3 = 72^{\circ}\text{C}$$

$$\text{Temperature for the 4}^{\text{th}} \text{ day} = 104^{\circ}\text{C} \\ - 72^{\circ}\text{C} \\ \hline 32^{\circ}\text{C}$$

(b) **SOLUTION**

4	480	1540	3
	400	1440	
4	80	100	1
	80	80	
	0	20	

$$\therefore \text{HCF} = 20$$

5marks

(c) 80.45

$$= 80 \frac{45}{100} \\ = 80 \frac{9}{20}$$

25. (a) SOLUTION

$$\text{Total number of bags} = 126$$

Ratio per maize: beans: rice

1:2:3

$$\text{Total parts of share} = 1+ 2+3 = 6$$

$$\text{Maize share} = \frac{126}{6} \times 1 = 21 \text{ bags}$$

$$\text{Beans share} = \frac{126}{6} \times 2 = 42 \text{ bags}$$

$$\text{Rice share} = \frac{126}{6} \times 3 = 63 \text{ bags}$$

(b) **SOLUTION**

$$\text{Principal} = \frac{100 \times \text{interest (I)}}{\text{rate (R)} \times \text{Time (T)}}$$

$$\text{Interest} = \text{K5000}$$

$$\text{Rate} = 10\%$$

$$\text{Time} = 5 \text{ years}$$

$$\text{Principal} = \frac{100 \times \text{K5000}}{5 \times 10}$$

$$= \text{K70} \times \text{K500}$$

$$= \text{K10 000}$$



26. SOLUTION

Service centre – optional Date optional

Name – Yohane Acc number 0015674500

Received the sum of : Five thousand kwacha only K5, 000.00

Signature – optional

4marks

(b) SOLUTION

0.4567 to 3 significant figures

= 0.457

2marks

(c) SOLUTION

$$\begin{aligned}
 &X + V + I + I + I \\
 = &10 + 5 + 1 + 1 + 1 \\
 = &18
 \end{aligned}$$

(d) SOLUTION**CHIFUNDO'S CASH ACCOUNT**

Dr			Cr		
Date	Income	Amount	Date	Payment	Amount
		K t	02/10/23	Bought pens	K t
01/10/23	Cash in hand	6,500.00	09/10/23	Bought books	2,000.00
02/10/23	Fundraising activities	2,750.00			3,125.00
				Balance c/d	4,125.00
		9,250.00			9,250.00
30/10/23	Balance b/d	4,125.00			

8marks

End of answer paper

